Intro

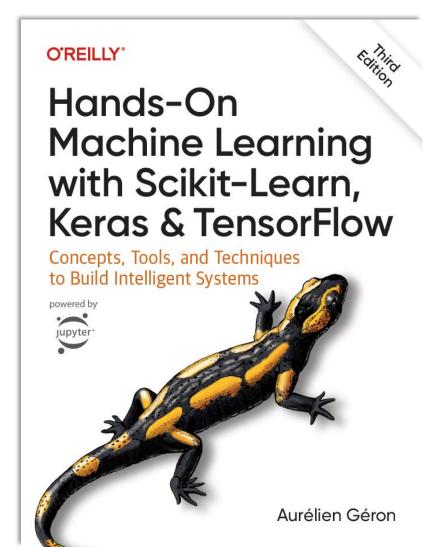
Machine Learning Course

Saeed Mohagheghi

Course Resources

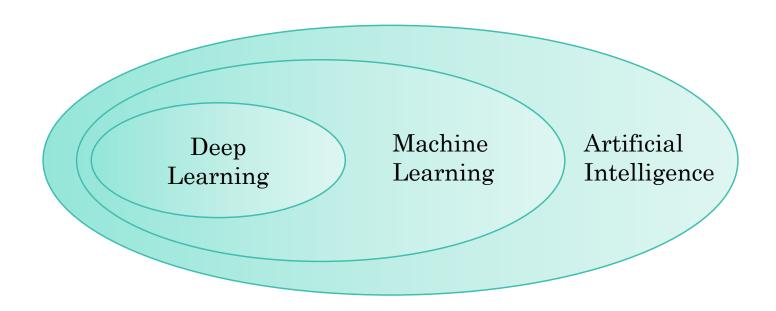
Source Book:

GitHub Repository:

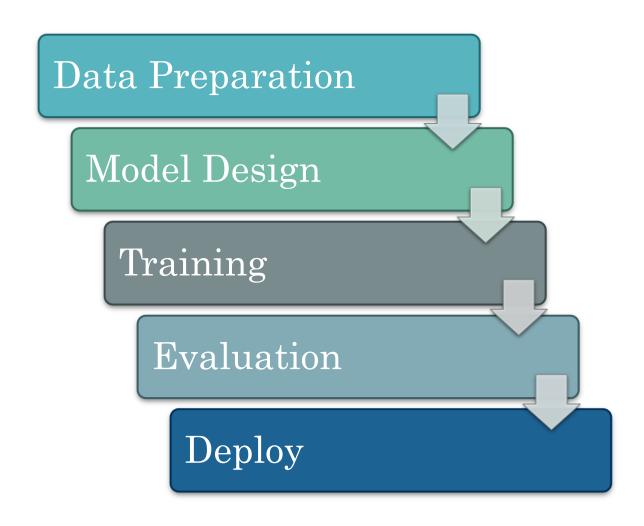


What is ML?

"Models with the ability to Learn (from data)
without being explicitly programmed "



ML Pipeline



ML Pipeline

ML Cycle

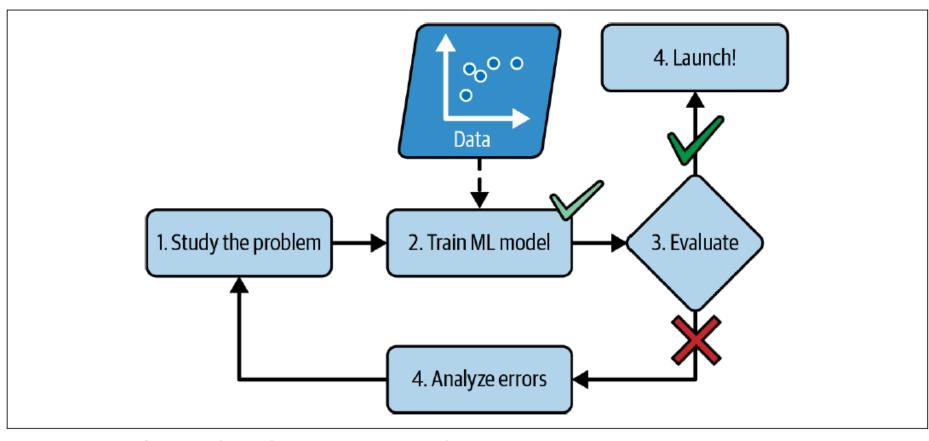
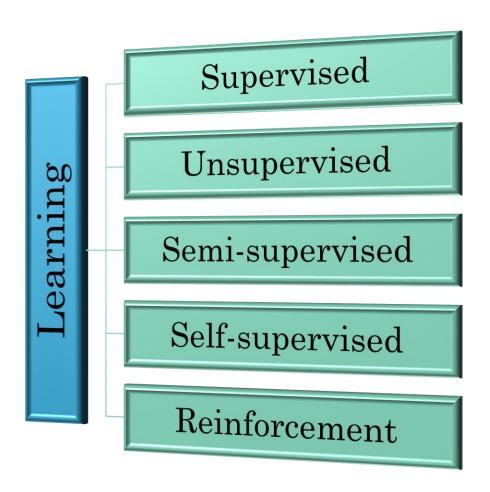


Figure 1-2. The machine learning approach

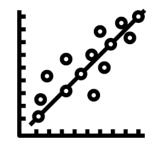
Learning Methods



Simple Example

- Predict Life Satisfaction from GDP per capita!
- Methods:

Linear Regression (Model-based)



k-nearest neighbors (Instance-based)

